

Air Quality Control Systems

> Particulate Removal System

- Dry Electrostatic Precipitator
- Wet Electrostatic Precipitator
- Bag Filter
- Ash Handling System
- Tunnel ESP
- Hybrid Module Type Precipitator

> Gas Treatment System

- Wet Flue Gas Desulfurization
- Semi Dry/GSA
- SCR/SNCR
- VOCs Control System
- Exhaust Gas Cleaning System (For Marine)

Retrofit & Maintenance

- Air Quality Control System Retrofit
- Technical Service
- Feasibility Study

Manufacturing Services

- Dampers
- Steel Work

New & Renewable Energy

- Solar Power System
- Biomass & Waste to Energy



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Gas Treatment System

VOCs Control Systems

Global Leader in Green Technology
- People & Technology keeping our planet sustainable...

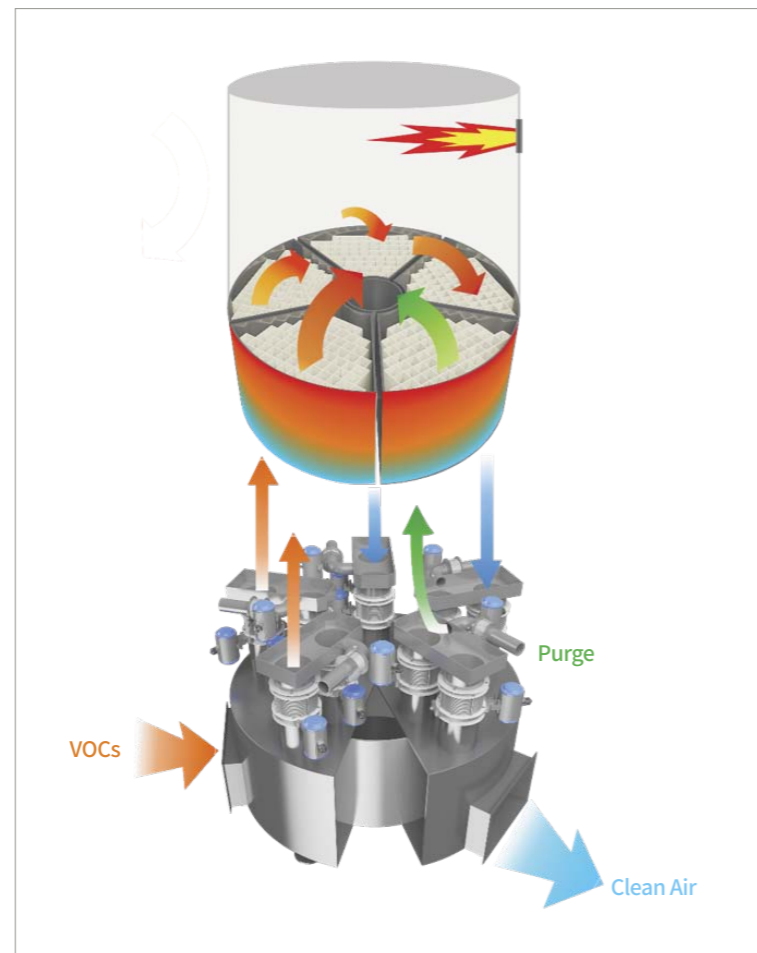
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RTO

Remove offensive odors and VOCs through direct combustion. The heat energy from combustion is recovered and accumulated for reuse. It can also function as a production facility by supplying surplus energy to the production line.

Advantages

- Excellent VOC removal efficiency(99~99.5%).
- Sustainable processing efficiency rate
- Robust design for temperature change and rotary sealing
- Easy rotary self-maintenance
- Operating even with some valve malfunction
- Controllable rotary size depending on air flow, operating with large air flow as well
- Easy to operate & maintain
- Good heat recovery rate due to large air distribution range
- Power cost saving due to low pressure loss
- Low cost for maintenance



References

- Daewoo Shipbuilding & Marine Engineering(Shipyard Pretreatment Painting) RTO Replace 31,200 m3/hr, China (2013)
- NICHYU(Painting) RTO 3,600 + Enrichment 48,000 m3/hr, China (2016)
- Imaoka Shipyard(Shipyard_Painting) RTO 60,000m3/hr, China (2017)
- WAPO(Printing and Drying) RC 120,000 + RTO 30,000 m3/hr, Taiwan (2017)



NICHYU



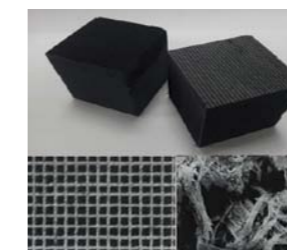
Imaoka Shipyard

Bellaria Catalyst

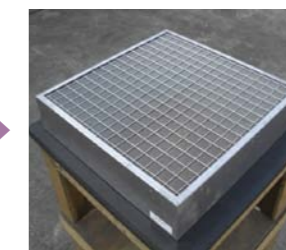
Bellaria means 'clean air' in Italian. It is a product that maximizes absorption performance by adding specific catalytic material. It has absorption efficiency about 10 times or more than the general activated carbon.

Advantages

- Repeatable use(over 200 times)
- Honeycomb type structure mainly composed of porous ceramics
 - Low pressure drop
 - less electricity
 - large surface area
- Cartridge Type
 - Easy replace Excellent VOC removal efficiency(99~99.5%).



Honeycomb Type



Cartridge Type



Replaceable Type